



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Pella Corporation
102 Main Street
Pella, IA 50219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "350 HurricaneShield® 4½" Vinyl" White PVC Awning Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. PELL0025, titled "350 Series 4-½" Vinyl Awning Window – Impact", sheets 1, 2, 3, 4, 4A, 5 and 6 through 13 of 14, dated 12/27/12, with revision A dated 09/23/13, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoroso, P.E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



WP
10/3/13

NOA No. 13-0114.08
Expiration Date: October 10, 2018
Approval Date: October 10, 2013
Page 1

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **PELL0025**, titled "350 Series 4-½" Vinyl Awning Window – Impact", sheets 1, 2, 3, 4, 4A, 5, and 6 through 13 of 14, dated 12/27/12, with revision A dated 09/23/13, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS

1. Test reports on: 1.) Air Infiltration Test, per FBC, TAS 202-94
2.) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3.) Water Resistance Test, per FBC, TAS 202-94
4.) Large Missile Impact Test per FBC, TAS 201-94
5.) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 350 vinyl awning window, prepared by Element Materials Technology, Des Moines, Test Report No. **ESP010280P.Awning Dade**, dated 07/29/12, signed and sealed by Jason R. Steen, P.E.
2. Test reports on: 1.) Air Infiltration Test, per FBC, TAS 202-94
2.) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3.) Water Resistance Test, per FBC, TAS 202-94
4.) Large Missile Impact Test per FBC, TAS 201-94
5.) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 350 vinyl awning window, prepared by Element Materials Technology, Des Moines, Test Report No. **ESP013993P.Awning Dade**, dated 07/29/12, signed and sealed by Jason R. Steen, P.E.

C. CALCULATIONS

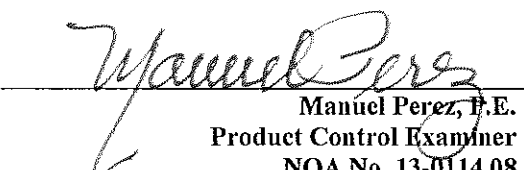
1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 09/17/12 and 10/18/12, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **12-1017.02** issued to Quanex Building Products, Inc. for "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/07/13, expiring on 12/26/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0114.08
Expiration Date: October 10, 2018
Approval Date: October 10, 2013

Pella Corporation

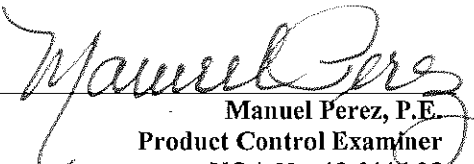
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of no financial interest, independence, conformance and complying with **FBC-2010**, dated 01/08/13, issued by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Proposal No. **12-0115** issued by Product Control, dated March 6, 2012, signed by Manuel Perez, P.E.

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0114-08

Expiration Date: October 10, 2018
Approval Date: October 10, 2013

PELLA CORPORATION

350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN AS FOLLOWS.
 - IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE - SECTIONS 1609.1.2, 1626, 1715.5.2, 1715.5.4 AND 2411.3 AND TO THE 2010 FLORIDA RESIDENTIAL CODE - SECTIONS R301.2.1.2, R612.6, R612.10, R4403.16 AND R4410.2.3.
 - PERFORMANCE STANDARDS:
 - TAS 201-94, LARGE MISSILE IMPACT
 - TAS-202-94
 - TAS 203-94
- THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ESP010280P.AWNING-DADE, DATED JULY 29, 2012 AND ASSOCIATED LABORATORY DRAWINGS BY ELEMENT MATERIALS TECHNOLOGY, DES MOINES, IA. TESTING WAS CONDUCTED TO TAS 201-94, TAS 202-94 AND TAS 203-94.
- THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
- WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THE FOLLOWING IMPACT PROTECTIVE REQUIREMENTS ARE MET:
 - HIGH VELOCITY HURRICANE ZONE (HVHZ):
 - LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE:
 - THESE WINDOWS MEET LARGE MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC, SECTION 2411.3.3.7 AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 3 ON SHEET 8 OF 13.
 - SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS EXCEEDING 30 FEET ABOVE GRADE:
 - THESE WINDOWS MEET SMALL MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC, SECTION 2411.3.3.7 WHEN GLAZED ON THE EXTERIOR USING SAFETY GLAZING AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 4 ON SHEET 8 OF 13.
 - WINDBORNE DEBRIS AREAS OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (NON-HVHZ):
 - WHEN INSTALLED IN LOCATIONS WHERE NON-HVHZ WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT DOES NOT REQUIRE USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM.
- SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- MATERIALS:
 - WINDOW FRAME MATERIAL: VINYL (PVC).
 - LAMINATED GLAZING INTERLAYERS
 - DUPONT BUTACITE INTERLAYER MATERIAL.
- GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
- DESIGNATION "X" STANDS FOR THE FOLLOWING OPERABLE SASH.
- THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

SEE SHEET 2 FOR DESIGN PRESSURES.

INSTALLATION NOTES:

- PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
- SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
 - EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
 - MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
- SEE SHEETS 5, 6 and 7 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH THE TABLES ON SHEET 2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE TABLES ON SHEET 2 ARE ACCEPTABLE.
 - SEE ADDITIONAL NOTES ON SHEET 2.
- MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
 - FOR BLOCK, FIN & FLANGE FRAME INSTALLATIONS, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR.
- FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 2.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS
2	ANCHOR SCHEDULES AND DP CHART
3, 4 & 4A	ELEVATIONS & ANCHOR LAYOUTS
5 - 7	INSTALLATION SECTIONS
8	GLAZING DETAIL AND GLAZING NOTES
9	BILL OF MATERIALS
10	VERTICAL CROSS SECTION
11	HORIZONTAL CROSS SECTION
12	COMPONENT SECTIONS
13	INSTALLATION CLIP DETAIL AND CORNER CONSTRUCTION

PROJECT # 411-1201.12

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY: RJA DATE: 12/27/12

SCALE: N.T.S. DRAWING NO: PELL0025

REV: A SHEET: 1 OF 14

REV: A DESCRIPTION: REV: A

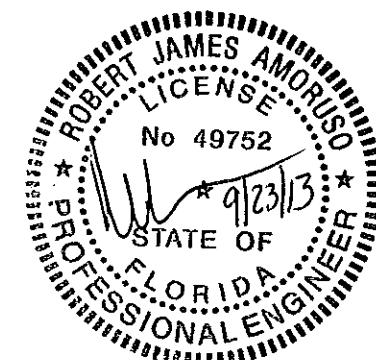
REV: A DATE: 9/23/13

REV: A COMMENTS: REVISED PER MIAMI-DADE

REV: A

Approved as complying with the
Florida Building Code
Date: 9/23/13
NOA# 13-0114.02
Miami Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



350 SERIES AWNING WINDOW INSTALLATION REQUIREMENTS										
Max. Size Tested	Design Pressure (PSF)	Sill Reinforcement Required	Lock Assembly	Substrate	Installation Type	End Spacing All Corners	Quantity of Anchors at Head & Sill	Center to Center Spacing Head & Sill	Quantity of Anchors at Jambs	Center to Center Spacing Jambs
59 1/2" x 35 1/2"	+70/-75	1/4" x 1" x 38-3/4" SS Bottom Rail Stiffener Bar (See BOM Item No. 27)	MULTI-POINT W/TWO KEEPERS PER JAMB	Wood/Concrete/CMU/Metal *	Clip or Thru-Frame	4"	5	12.9"	3	13.8"
41 3/8" x 35 1/2"	+70/-75	None				4"	3	16.7"	3	13.8"
59 1/2" x 35 1/2"	+60/-65	1/4" x 1" x 38-3/4" SS Bottom Rail Stiffener Bar (See BOM Item No. 27)	MULTI-POINT W/ONE KEEPER PER JAMB	Wood/Concrete/CMU/Metal *	Clip or Thru-Frame	4"	5	12.9"	3	13.8"
41 3/8" x 32 3/8"	+70/-75	None				4"	3	16.7"	3	12.2"

* METAL SUBSTRATES INCLUDE THE FOLLOWING:

(a) 20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS, ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER

(b) 1/8" MIN. THK. ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER

(c) 0.060" MIN. THK. 6063-T5 ALUMINUM OR BETTER

INSTALLATION ANCHOR SCHEDULE							
INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON
INSTALLATION CLIP OR THRU-FRAME	FLAT OR HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/8"	1"	MIN. 2500 PSI CONCRETE
				ELCO CRETE-FLEX SS4	2"	2"	MIN. 2500 PSI CONCRETE
				HILTI KWIK-CON II	1-3/4"	1-1/8"	MIN. 2000 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
				ELCO ULTRACONS	1-1/4"	1"	
				ELCO CRETE-FLEX SS4	1-1/4"	2"	
				HILTI KWIK-CON II	1"	1-1/8"	
INSTALLATION CLIP, INSTALLATION CLIP - BENT OR THRU-FRAME	FLAT OR PAN HEAD	NO. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2)	1-3/8"	3/4" LATERAL 1/2" WITHDRAWAL (3)	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2)			
			20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	ASME B18.6.4 (TAPPING SCREW)	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	5/16"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. A-36 STEEL OR BETTER	ASME B18.6.4 (TAPPING SCREW)		5/16"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. 6063-T5 ALUMINUM OR BETTER	ASME B18.6.4 (TAPPING SCREW)		3/8"	6063-T5 ALUMINUM OR BETTER

NOTES:

1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

2) FOR WOOD AND TAPPING SCREWS INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 7/64" PILOT HOLE FOR LATERAL APPLICATIONS AND 3/32" FOR WITHDRAWAL APPLICATIONS. SEE NOTE 3 BELOW FOR FURTHER DEFINITION.

3) LATERAL IS APPLICABLE TO INSTALLATION CLIP AND THRU-FRAME; WITHDRAWAL IS APPLICABLE TO INSTALLATION CLIP - BENT.

- NOTES:
1. **INSTALLATION ANCHOR SCHEDULE**
- 1.1. THIS TABLE LISTS APPROVED ANCHOR SPECIFICATIONS BASED ON THE INSTALLATION TYPE AND SUBSTRATE.
2. **350 SERIES AWNING WINDOW INSTALLATION REQUIREMENTS**
- 2.1. THIS TABLE LISTS THE FOLLOWING INFORMATION.
- 2.1.1. DESIGN PRESSURE (PSF).
- 2.1.2. END DISTANCE (ED) OF ANCHORS AT FRAME ENDS AS DIMENSIONED ON ELEVATION DRAWINGS.
- 2.1.3. MAXIMUM O.C. (ON CENTER) SPACING FOR ANCHORS BETWEEN THE FRAME END ANCHORS DIMENSIONED ON ELEVATION DRAWINGS.
- 2.1.1.1. QUANTITY OF ANCHORS BASED ON MEETING THE O.C. SPACING REQUIREMENTS.
- 2.1.2. MAXIMUM WINDOW SIZES (W x H)
- 2.2. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
- 2.3. FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
3. **350 SERIES AWNING WINDOW DESIGN PRESSURE OPTIONS**
- 3.1. WINDOW WAS TESTED WITH MULTI-POINT LOCK USING EITHER TWO KEEPERS PER JAMB OR ONE KEEPER PER JAMB ALLOWING FOR MULTIPLE OPTIONS AT DESIGN PRESSURES OF EITHER +60/-65 PSF OR +70/-75 PSF.
- 3.2. THREE INSTALLATION ELEVATIONS ARE SHOWN ON SHEETS 3, 4 AND 4A REPRESENTING THE FOLLOWING.
- 3.2.1. MULTI-POINT LOCK USING TWO KEEPERS PER JAMB
- 3.2.1.1. DP IS +70/-75 PSF FOR ALL WINDOW SIZES ENVELOPED BY TESTING MAXIMUM WINDOW SIZE (SHEET 3) AND INTERMEDIATE WINDOW SIZE (SHEET 4).
- 3.2.1.2. SNUBBER SPACING VARIES BASED ON WINDOW WIDTH AND IS SHOWN IN TABLES ON SHEET 3 AND 4.
- 3.2.2. MULTI-POINT LOCK USING ONE KEEPER PER JAMB
- 3.2.2.1. DP IS +60/-65 PSF FOR MAX WINDOW SIZE (SHEET 3) AND SIZES SMALLER DOWN TO/NOT INCLUDING INTERMEDIATE WINDOW SIZE (SHEET 4A).
- 3.2.2.2. DP IS +70/-75 PSF FOR INTERMEDIATE WINDOW SIZE (SHEET 4A) AND SMALLER.
- 3.2.2.3. SNUBBER SPACING VARIES BASED ON WINDOW WIDTH AND IS SHOWN IN TABLES ON SHEET 3 AND 4A.

PROJECT # 411-1201.12

PELLA CORPORATION

102 MAIN STREET

PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY: RJA

DATE: 12/27/12

SCALE: N.T.S.

DRAWING NO: PELL0025

REV: A

SHEET: 2 OF 14

Approved as complying with the Florida Building Code

Date: 02.10.2013

NOA# 13-0114.02

Miami Dade Product Control

By: *[Signature]*

Robert J. Amoroso, P.E.

Florida P.E. No. 49752

ROBERT JAMES AMOROSO

LICENSE

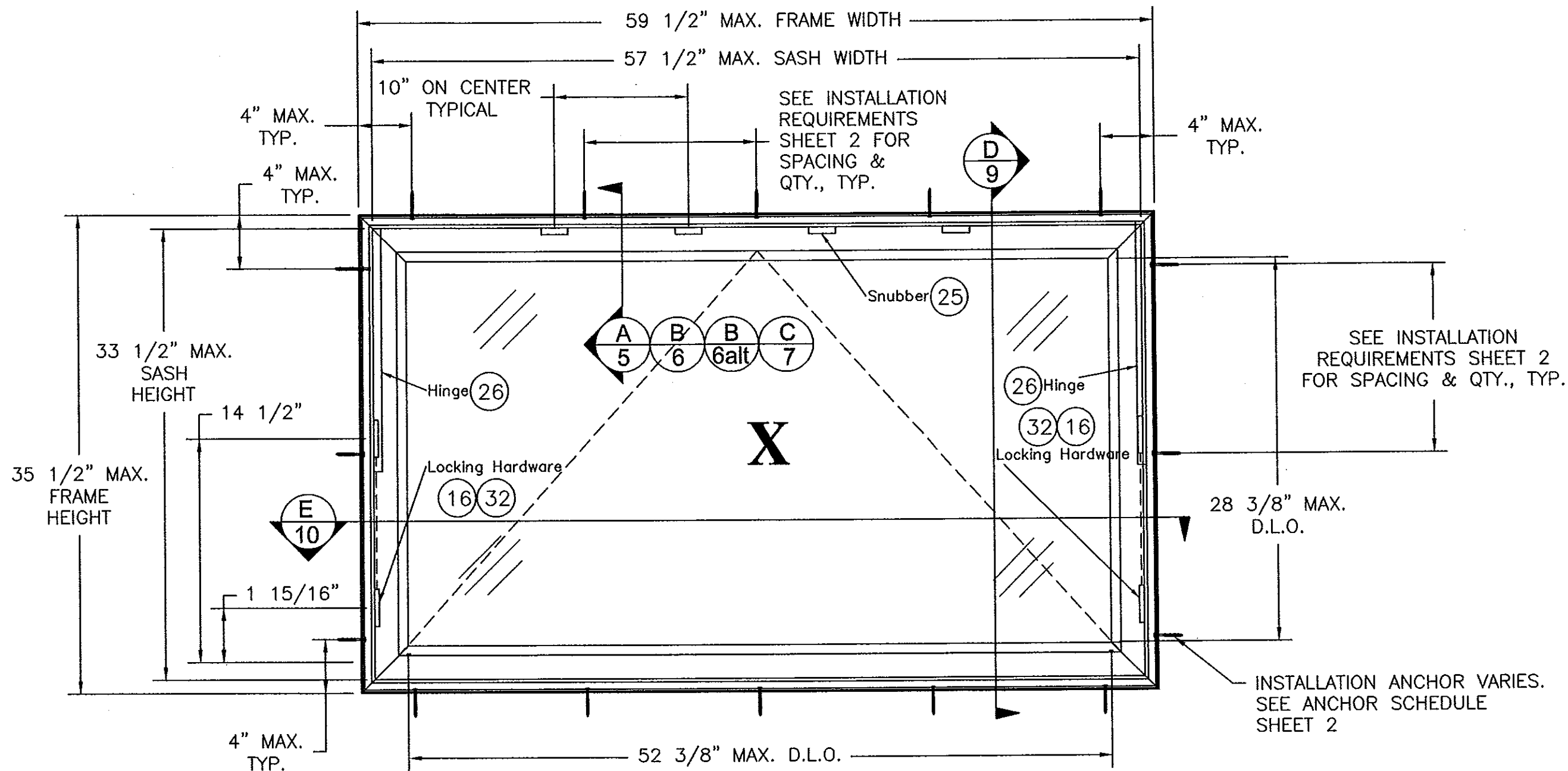
No 49752

STATE OF FLORIDA

PROFESSIONAL ENGINEER

LOCKING ASSEMBLY OPTION - MULTI-POINT W/TWO KEEPERS PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	TO ≤ 35.5	CENTERED	+70/-75
≥ 35.625 TO < 41.375		12	
> 41.375 TO ≤ 59.5		10	

LOCKING ASSEMBLY OPTION - MULTI-POINT W/ONE KEEPER PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	TO ≤ 32.375	CENTERED	+70/-75
≥ 17.5 TO < 35.625	> 32.375 TO ≤ 35.5	CENTERED	+60/-65
≥ 35.625 TO < 41.375	TO ≤ 32.375	12	+70/-75
> 41.375 TO ≤ 59.5	> 32.375 TO ≤ 35.5	12	+60/-65



350 SERIES VINYL AWNING WINDOW
 EXTERIOR VIEW
 BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

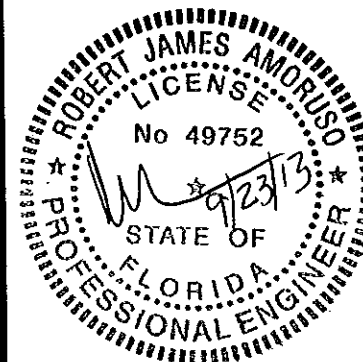
PROJECT # 411-1201.12

REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

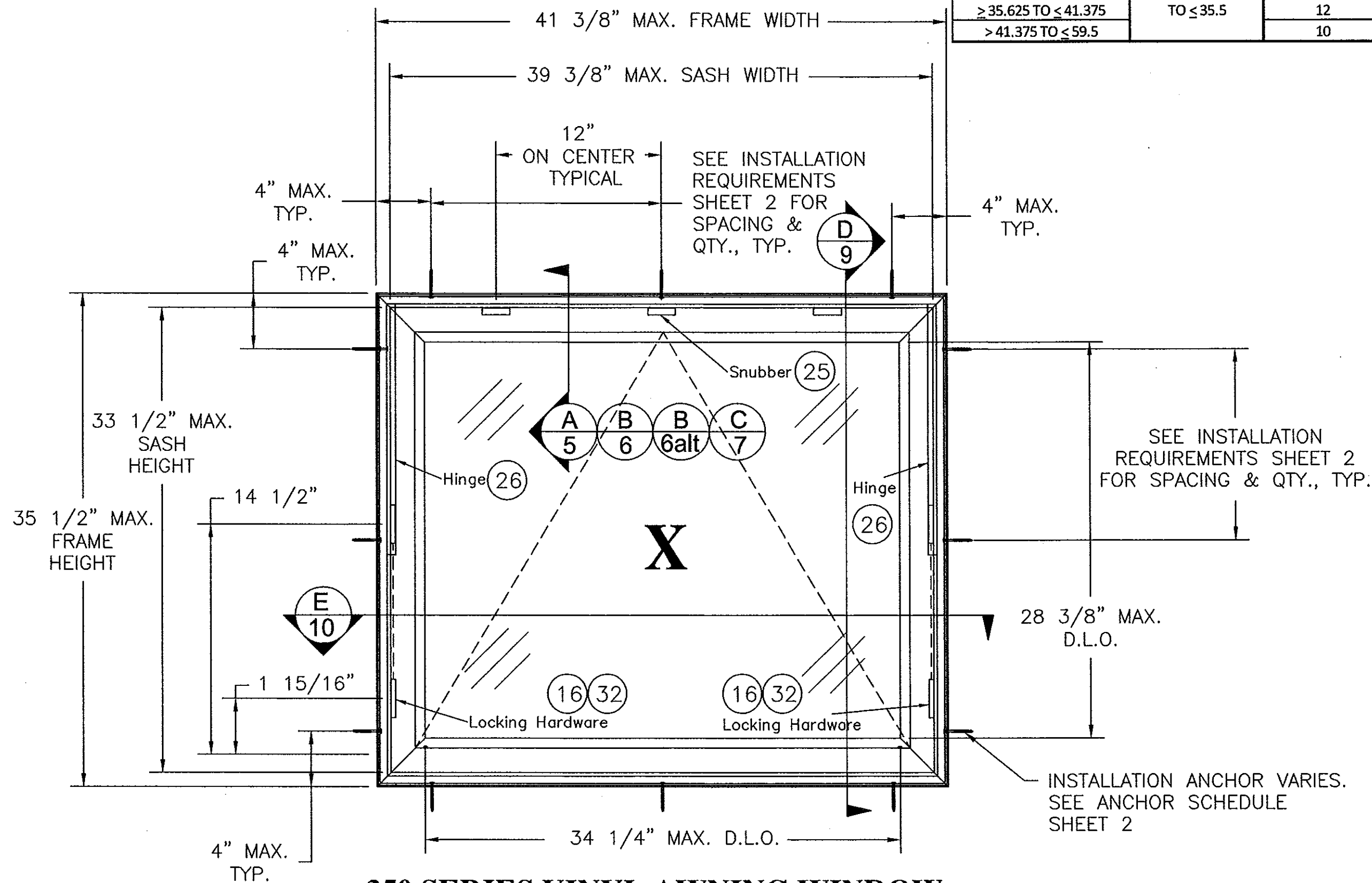
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		DATE: 12/27/12	
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT 35 1/2" X 71 1/2" ELEVATION AND ANCHORING LAYOUT		DRAWING NO: PELL0025	
PREPARED BY: RJA		SCALE: N.T.S.	
DRAWN BY: RJA		SHEET: 3 OF 14	
PTC PRODUCT DESIGN GROUP, LLC PO BOX 620775 LONGWOOD, FLORIDA 32752 Phone: 321.490.1788 Fax: 321.490.1789 Email: info@ptc-corp.com		REV: A	

Approved as complying with the
 Florida Building Code
 Date 9-27-2013
 NOA# 13-0114-08
 Miami Dade Product Control
 By Mamuel

Robert J. Amoruso, P.E.
 Florida P.E. No. 49752



LOCKING ASSEMBLY OPTION - MULTI-POINT W/TWO KEEPERS PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	TO ≤ 35.5	CENTERED	+70/-75
≥ 35.625 TO ≤ 41.375		12	
> 41.375 TO ≤ 59.5		10	



350 SERIES VINYL AWNING WINDOW

EXTERIOR VIEW

BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

PROJECT # 411-1201.12

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
35 1/2" X 65 1/2" ELEVATION AND ANCHORING LAYOUT

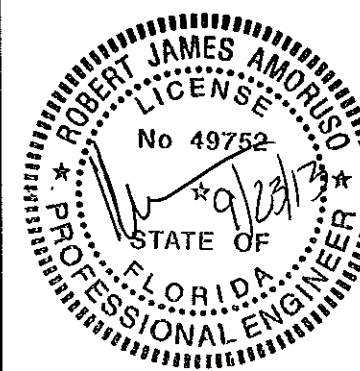
DATE: 12/27/12
DRAWING NO: PELL0025
SHEET: 4 OF 14
SCALE: N.T.S.
REV: A

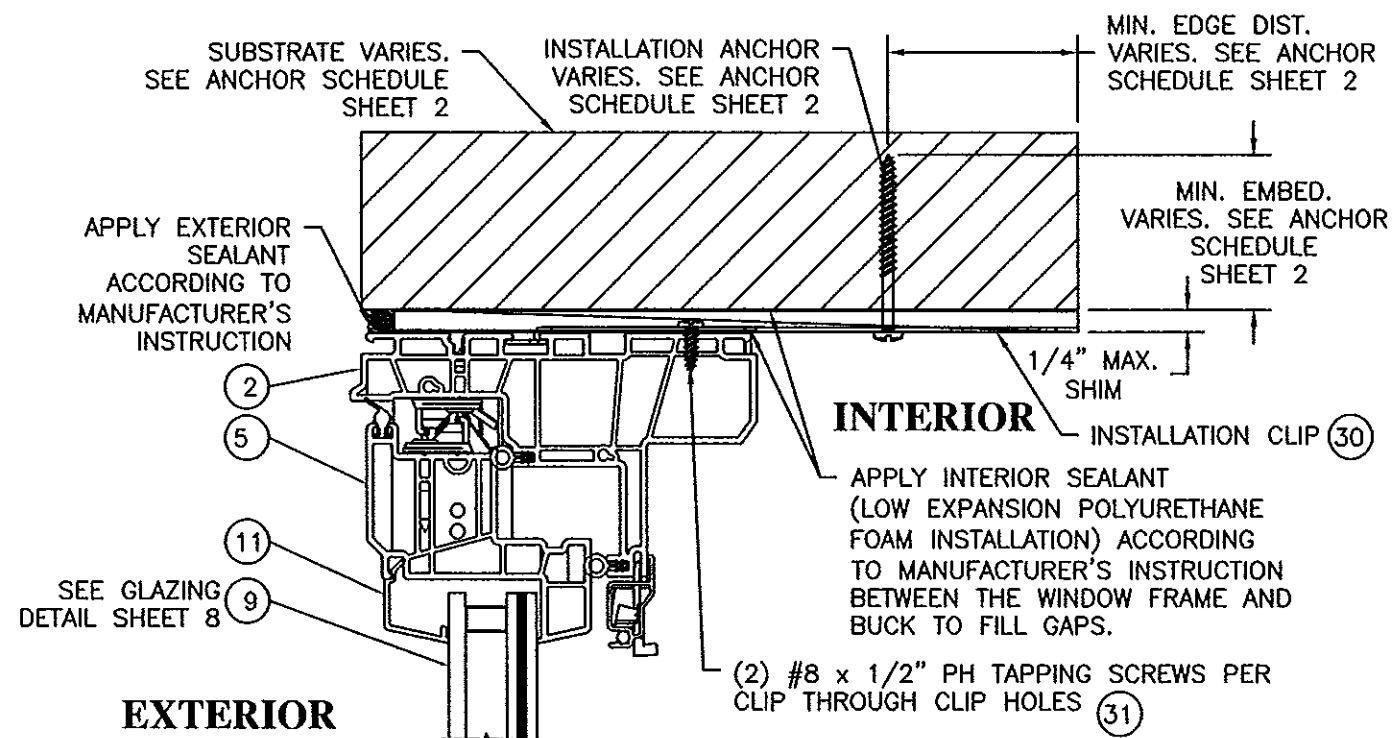
PREPARED BY: RJA
DRAWN BY: RJA
CHECKED BY: N.T.S.
APPROVED BY: A

REV: A
DESCRIPTION: REVISED PER MIAMI-DADE COMMENTS RECD 4/17/13
DATE: 9/23/13
BY: RJA

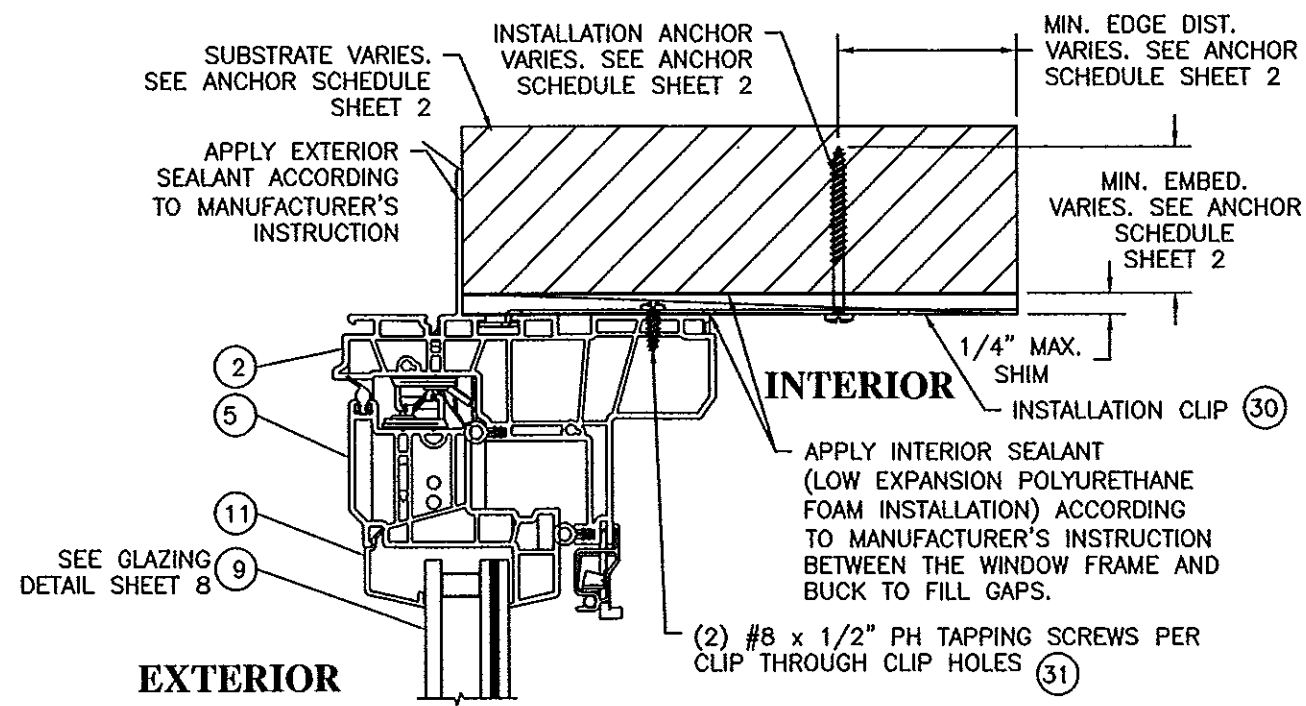
Approved as complying with the
Florida Building Code
Date: 09-10-2013
NOA# 13-0114-08
Miami Dade Product Control
By: *Manuel Lopez*

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

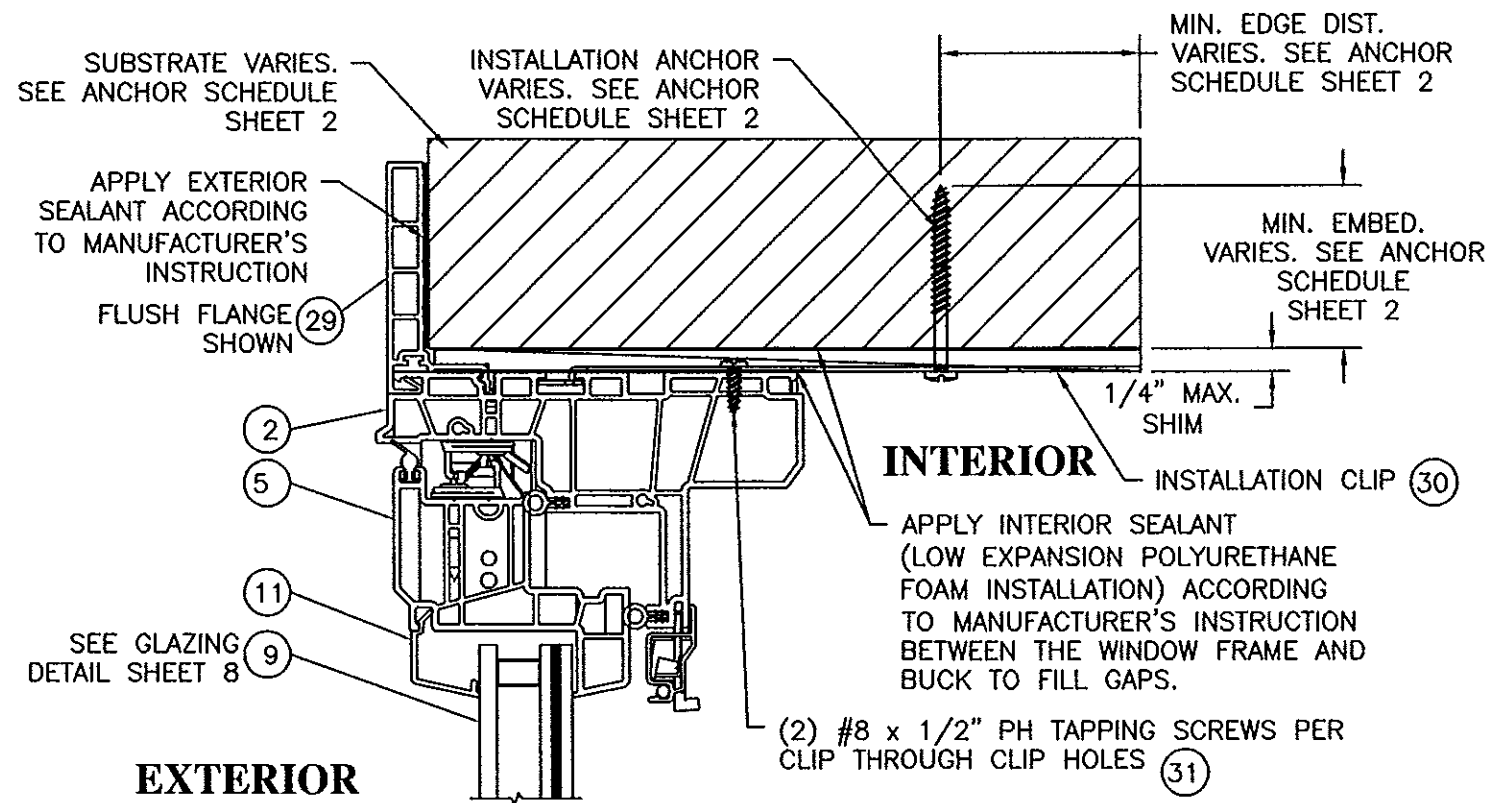




A
5 **INSTALLATION CROSS SECTION**
BLOCK FRAME, CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



A
5 **INSTALLATION CROSS SECTION**
FIN FRAME, CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



A
5 **INSTALLATION CROSS SECTION**
FLANGE FRAME, CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR

PROJECT # 411-1201.12

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
CLIP INSTALLATION SECTIONS

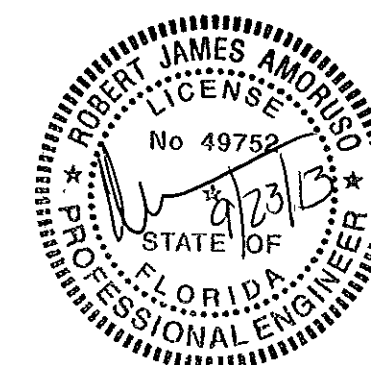
PREPARED BY: RJA
DATE: 12/27/12
DRAWING NO: PELL0025
SCALE: N.T.S.
SHEET: 5 OF 14
REV: A

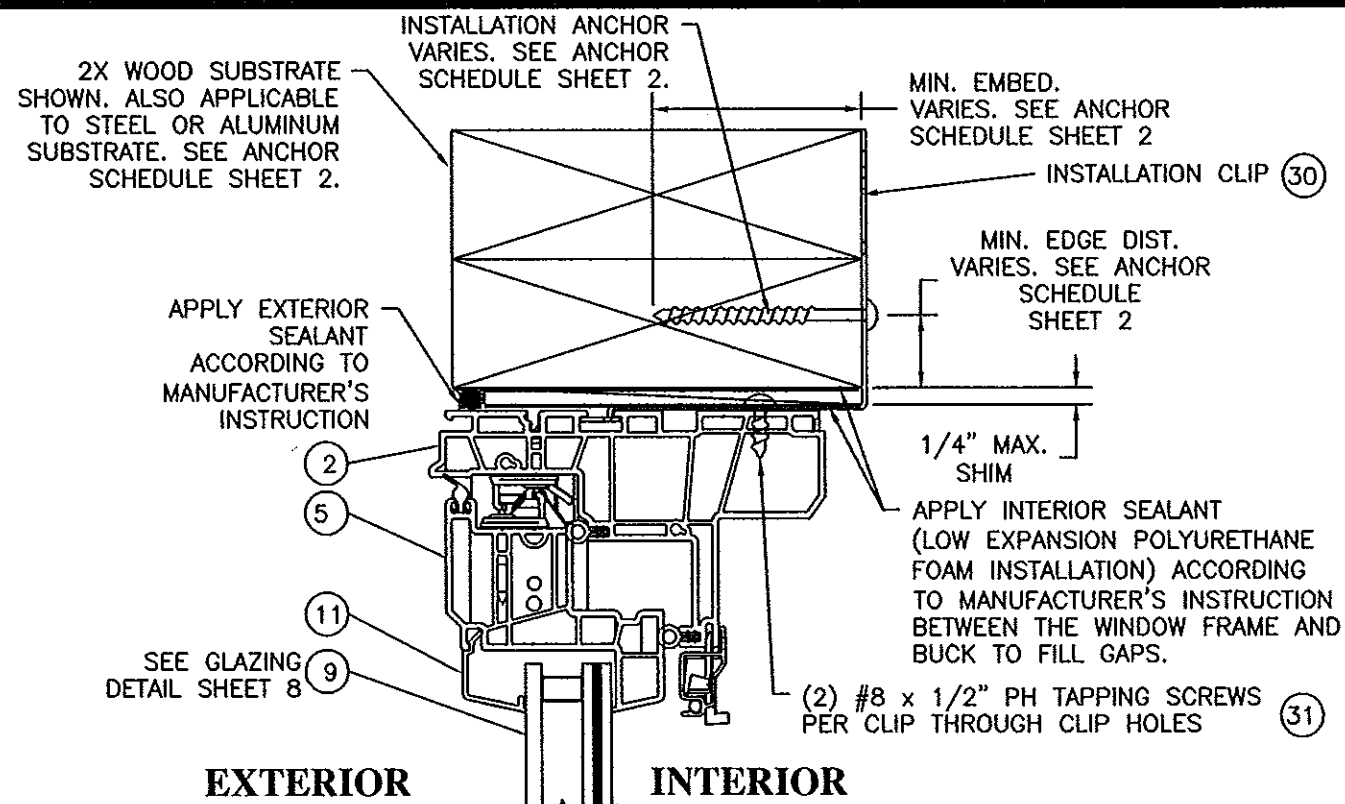
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.890.1788
Fax: 321.890.1788
Email: info@ptc-corp.com

Approved as complying with the
Florida Building Code
Date: 01.10.2013
NOA# 13-0114-08
Miami Dade Product Control

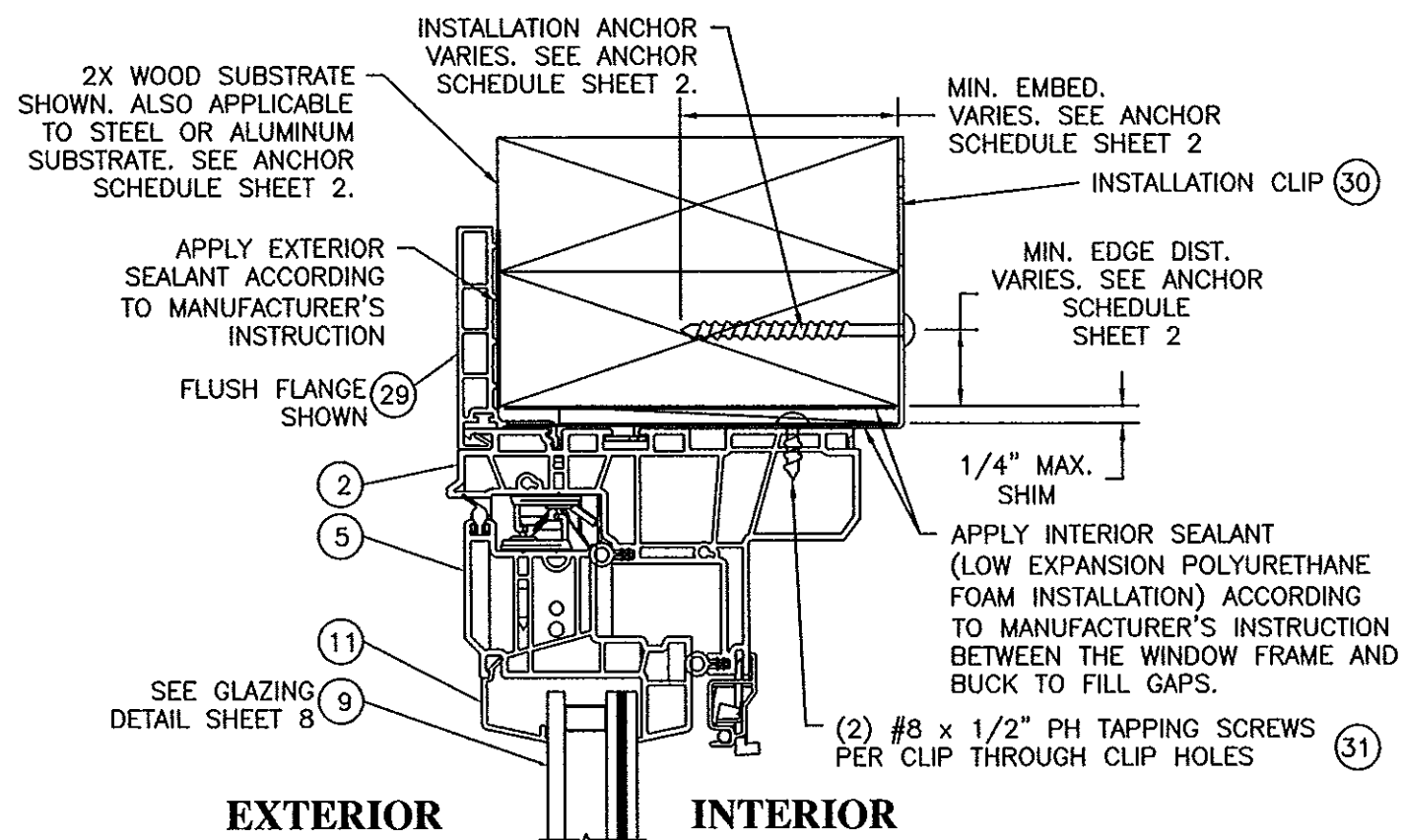
By: *[Signature]*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

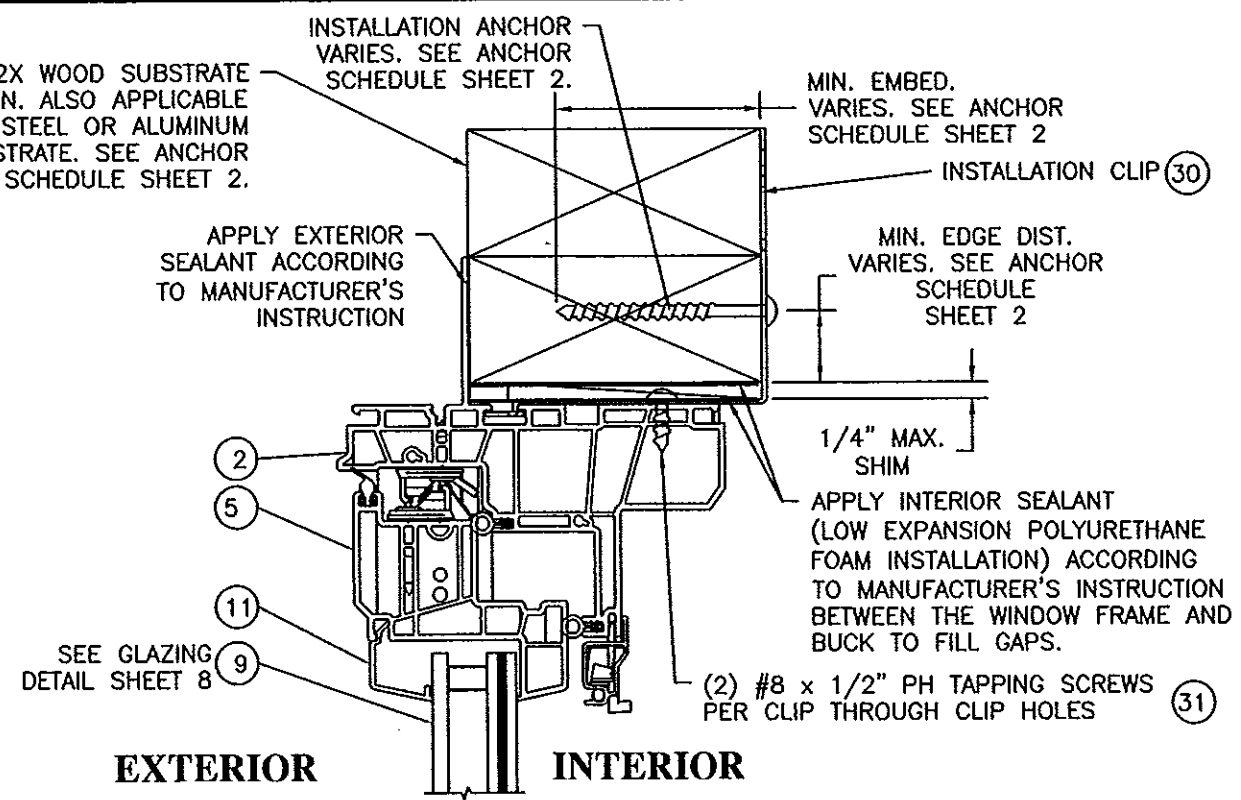




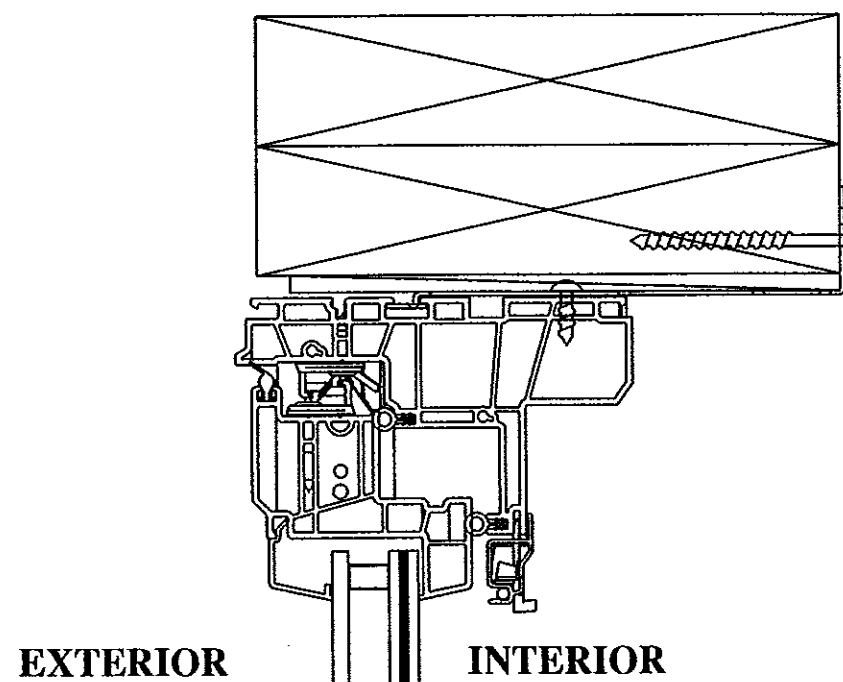
B
6 **INSTALLATION CROSS SECTION**
BLOCK FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6 **INSTALLATION CROSS SECTION**
FLANGE FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6 **INSTALLATION CROSS SECTION**
FIN FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6alt **ALTERNATE INSTALLATION CROSS SECTION**
BLOCK FRAME SHOWN
(ALSO APPLICABLE TO FIN AND FLANGE FRAME)
ALTERNATE BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR
SEE OTHER B SECTIONS FOR DETAILS

PROJECT # 411-1201.12

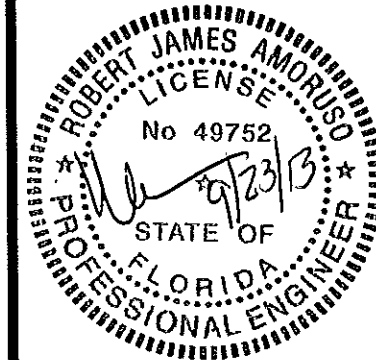
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
BENT CLIP INSTALLATION SECTIONS

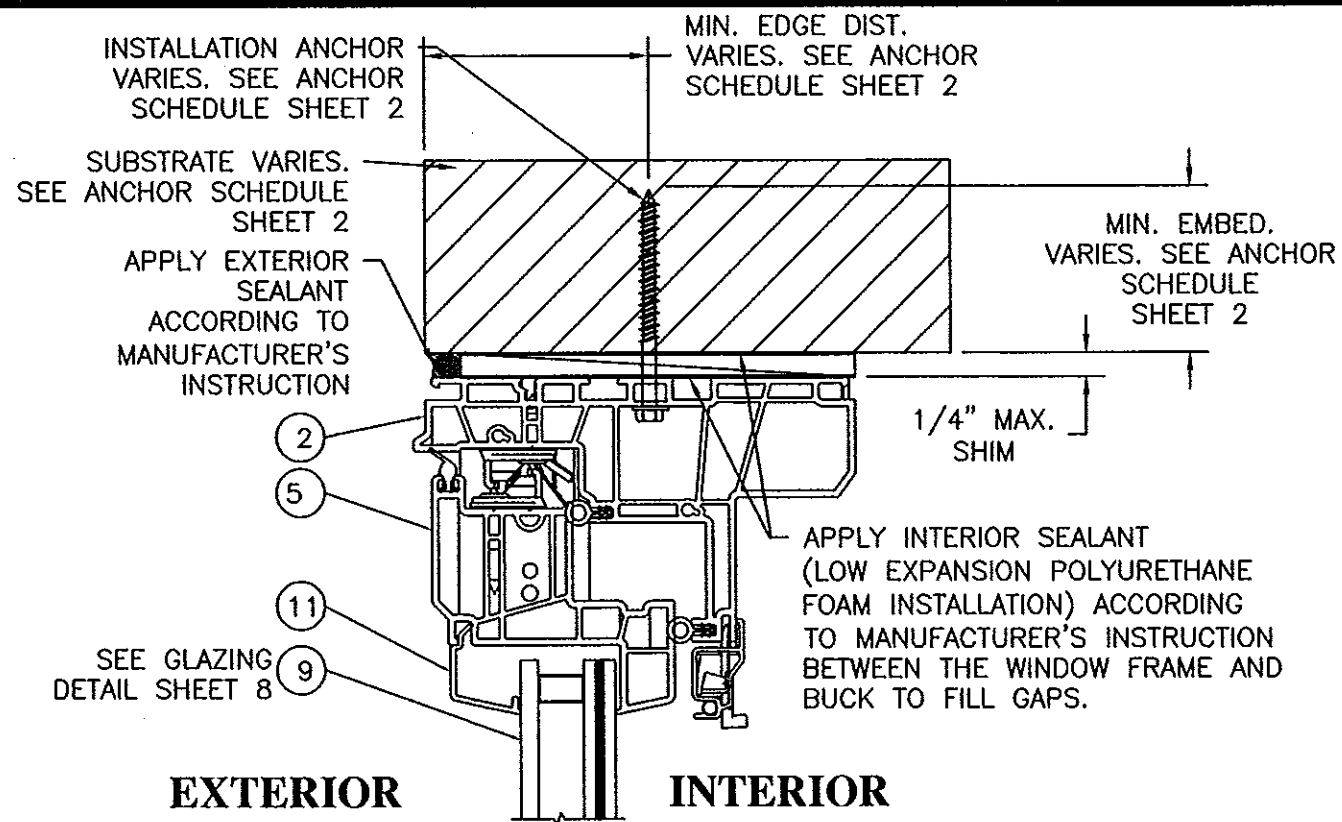
DATE: 12/27/12
DRAWING NO: PELL0025
SHEET: 6 OF 14
DRAWN BY: RJA
SCALE: N.T.S.
REV: A

REVISOR
DATE
DESCRIPTION
REV
A
9/23/13
REVISED PER MIAMI-DADE COMMENTS RECD 4/11/13
RJA
BY

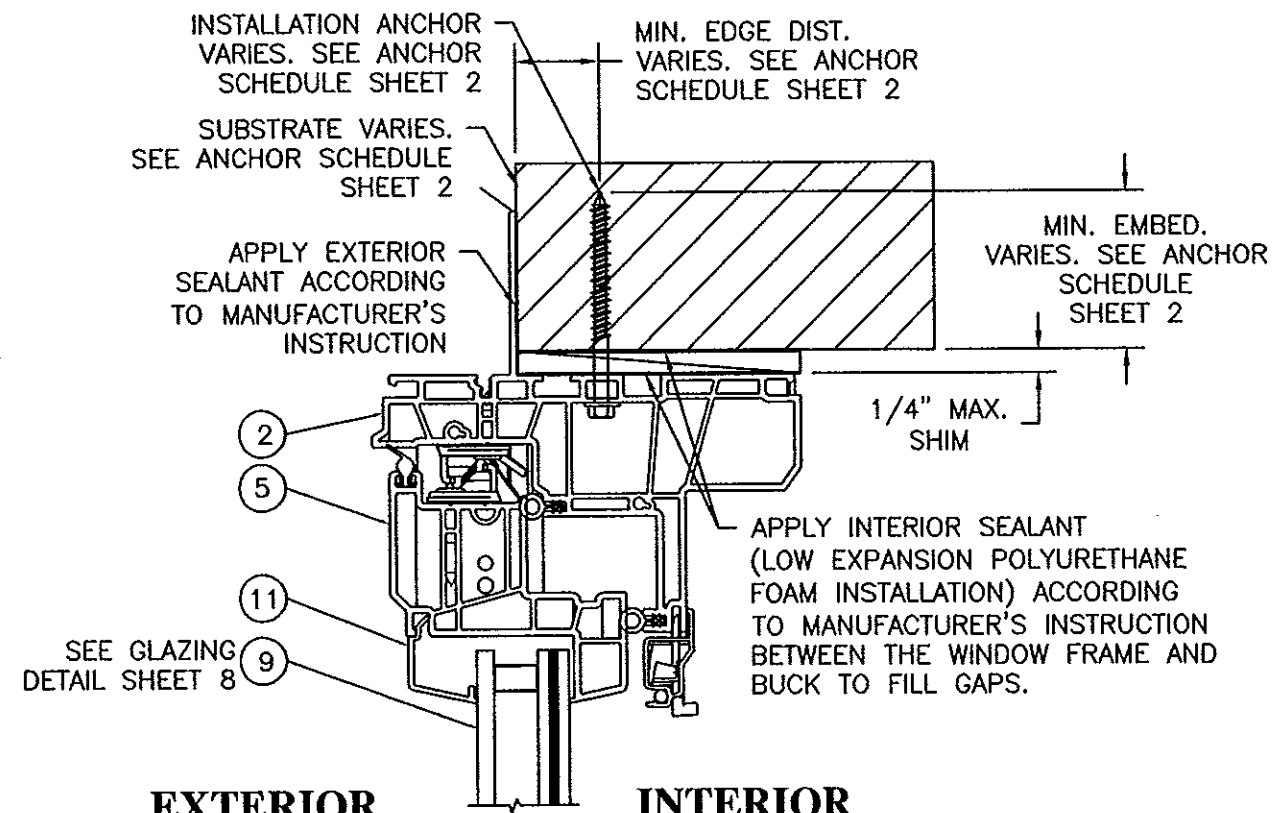
Approved as complying with the
Florida Building Code
Date: Oct. 10, 2013
NOA# 13-0114-08
Miami Dade Product Control
By: *Manuel Ray*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

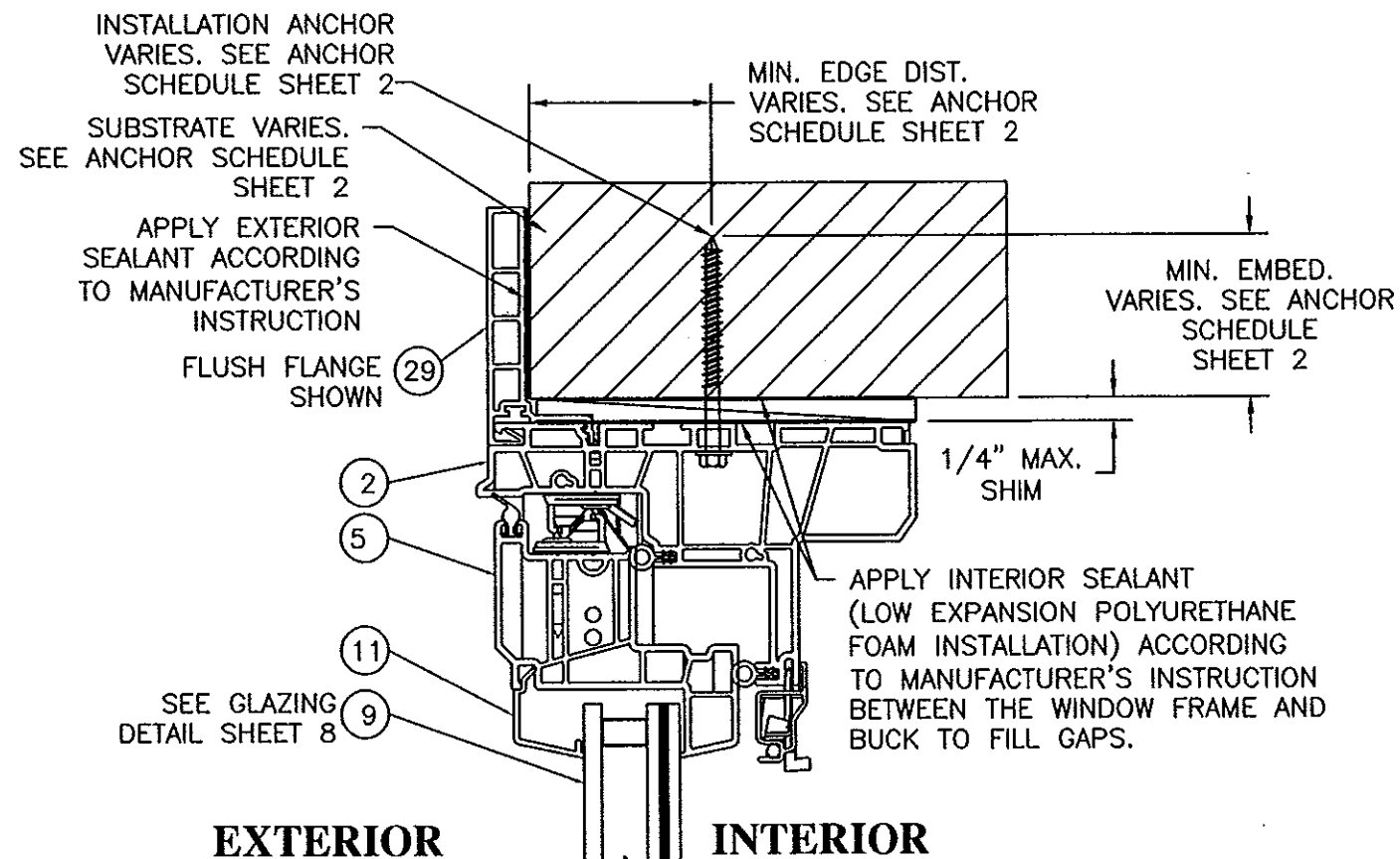




C
7 **INSTALLATION CROSS SECTION**
BLOCK FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, JAMB SIMILAR



C
7 **INSTALLATION CROSS SECTION**
FIN FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, JAMB SIMILAR



C
7 **INSTALLATION CROSS SECTION**
FLANGE FRAME, THRU FRAME INSTALLATION
HEAD SHOWN, JAMB SIMILAR

PROJECT # 411-1201.12

DATE
9/23/13
REV
DESCRIPTION
A
REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13
RJA
BY

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

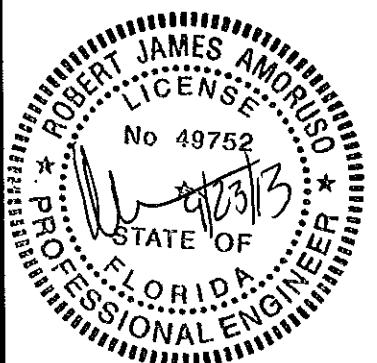
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
THRU FRAME INSTALLATION SECTIONS

DATE: 12/27/12
DRAWING NO: PELL0025
SCALE: N.T.S.
REV: A
SHEET: 7 OF 14

PREPARED BY: RJA
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 620775
LONGWOOD, FLORIDA 32762
PHONE: 321.600.1788
FAX: 321.600.1789
EMAIL: info@ptc-usa.com

Approved as complying with the
Florida Building Code
Date: 08/10/2013
NOA# 13-0114-05
Miami Dade Product Control
By: [Signature]

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL/VENDOR	QTY
1	FRAME SILL	MIKRON IND., INC.	1
2	FRAME HEAD	MIKRON IND., INC.	1
3	FRAME LOCK JAMB, LEFT	MIKRON IND., INC.	1
4	FRAME LOCK JAMB, RIGHT	MIKRON IND., INC.	1
5	SASH TOP RAIL	MIKRON IND., INC.	1
6	SASH BOTTOM RAIL	MIKRON IND., INC.	1
7	SASH STILE, LEFT	MIKRON IND., INC.	1
8	SASH STILE, RIGHT	MIKRON IND., INC.	1
9	GLAZING	SEE GLAZING DETAIL SHEET 8	1
10	1" GLAZING BEAD, BOTTOM RAIL, WITH WEEPS	MIKRON IND., INC.	1
11	1" GLAZING BEAD, TOP RAIL	MIKRON IND., INC.	1
12	1" GLAZING BEAD, STILE	MIKRON IND., INC.	2
13	SETTING BLOCK	PVC SEE SHEET 12	AS REQ'D
14	POLYURETHANE REACTIVE HOTMELT GLAZING COMPOUND	HENKEL SA	AS REQ'D
15	MAXIM MULTIPOINT LOCK HANDLE ASSEMBLY	TRUTH HARDWARE	2
16	MAXIM SELF-LOCATING MULTIPOINT TIE BAR ASSEMBLY	TRUTH HARDWARE	2
17	13.5MM (17/32") STAINLESS STEEL SPACER	CARDINAL GLASS	AS REQ'D
18	TPE BULB WEATHERSTRIP 6.9MM (0.27") DIA. - AWNING FRAME	INTEK PLASTICS	AS REQ'D
19	ENCORE ROTO OPERATOR W/CRANK	TRUTH HARDWARE	1
20	AWNING HINGE TRACK - LEFT	TRUTH HARDWARE	1
21	AWNING HINGE TRACK - RIGHT	TRUTH HARDWARE	1
22	FOAM FILLED LEAF SEAL 13MM (0.50") LONG - SASH FRAME	AMESBURY INDUSTRIES	AS REQ'D
23	AWNING OPERATOR TRACK	TRUTH HARDWARE	1
24	AWNING HINGE ARM ASSEMBLY - LEFT OR RIGHT	TRUTH HARDWARE	2
25	SNUBBERS - FRAME HEAD AND SASH TOP RAIL (NOT SHOWN IN SECTION VIEWS)	STAINLESS STEEL	AS REQ'D
26	4-BAR HINGES - SCREW CONNECTED AT SASH STILES AND JAMBS (NOT SHOWN IN SECTION VIEWS)	TRUTH HARDWARE	2
27	REINFORCEMENT/SASH BOTTOM RAIL STIFFENER BAR 1/4" x 1" x 38-3/4"	300 STAINLESS STEEL	SEE NOTE 1
28	#8 X 1-1/4" PH SCREWS (REINFORCEMENT)	FASTENAL CO.	5 (EVENLY SPACED)
29	FLANGE	MIKRON IND., INC.	4
	FLUSH FLANGE (SNAP-ON)	MIKRON IND., INC.	
	5/8" FLANGE (SNAP-ON)	MIKRON IND., INC.	
30	INSTALLATION CLIP	SEE SHEET 12	AS REQ'D
31	#8 x 1/2" TAPPING SCREW	AISI 1018 STEEL	AS REQ'D
32	KEEPERS	OVERLAND PRODUCTS CO. SERIES 300 SS	AS REQ'D
NOTES	1) REQUIRED AT SASH BOTTOM RAIL OF WINDOWS WITH FRAME WIDTH GREATER THAN 41-3/8". SECURED TO SASH BOTTOM RAIL WITH 5 PAN HEAD SCREWS (ITEM NO. 28).		

PROJECT # 411-1201.12

REV
A
DATE
9/23/13
DESCRIPTION
REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13
BY
RJA

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

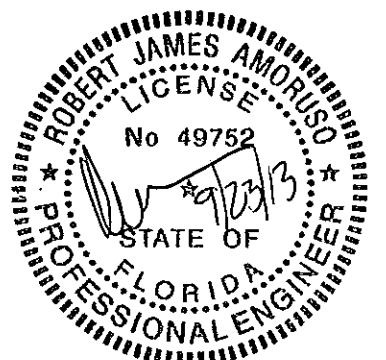
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
BILL OF MATERIALS

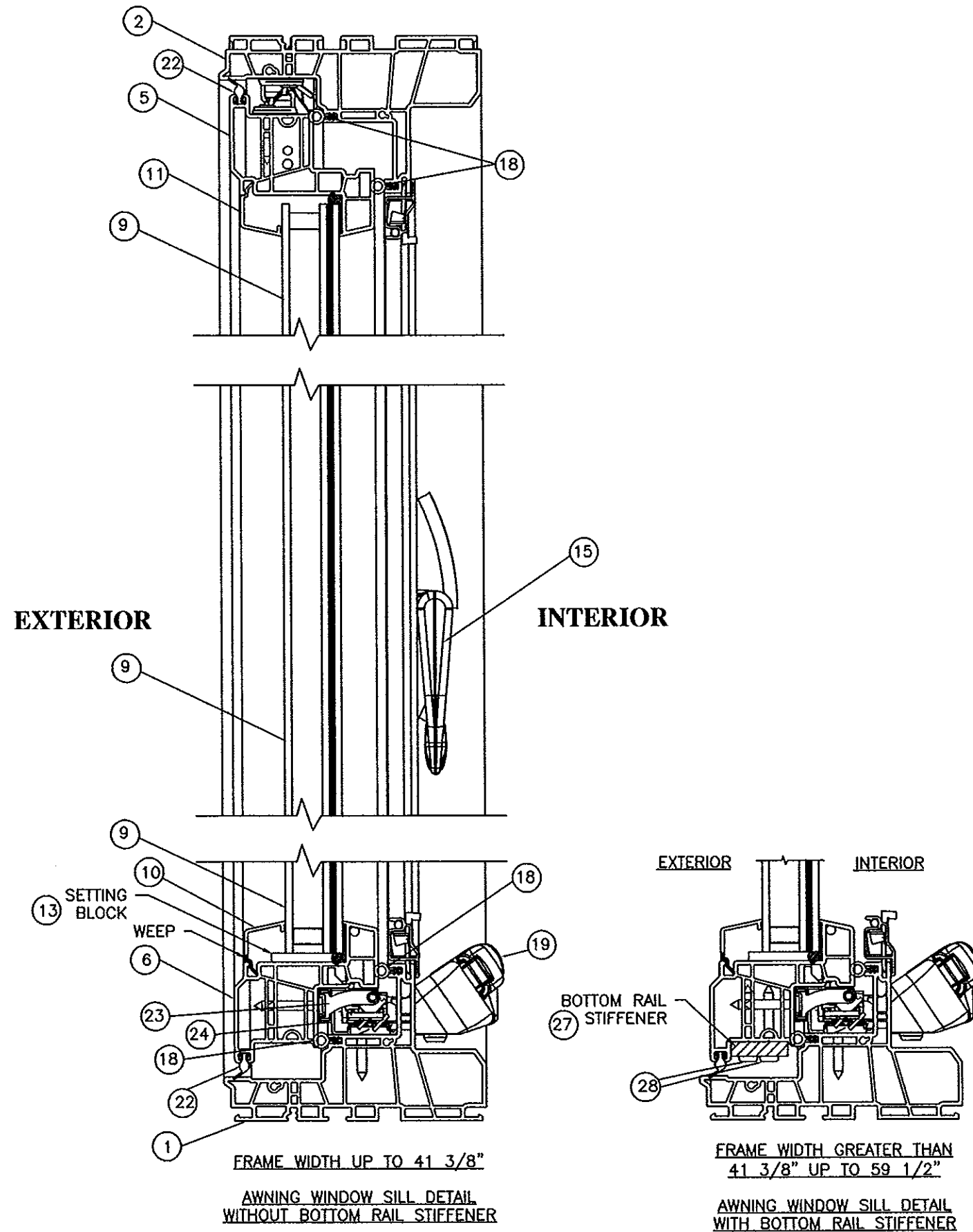
PREPARED BY: RJA
SCALE: N.T.S.
DATE: 12/27/12
DRAWING NO: PELL0025
SHEET: 9 OF 14
REV: A

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.490.1788
Fax: 321.490.1789
Email: info@ptc-corp.com
PEPE CA, INC. 20036

Approved as complying with the
Florida Building Code
Date: Oct. 10, 2013
NOAH: 13-0114-08
Miami Dade Product Control
By: Robert J. Amoroso


Robert J. Amoroso, P.E.
Florida P.E. No. 49752





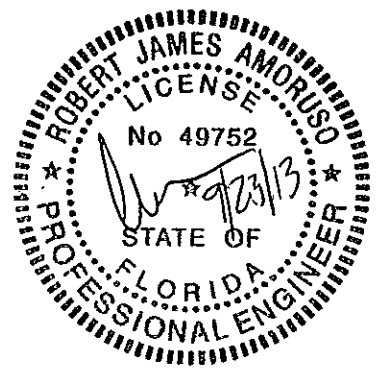
D 10 VERTICAL CROSS SECTION
BLOCK FRAME SHOWN, FLANGE AND FIN
FRAMES ALSO APPROVED

PROJECT # 411-1201.12			
			RJA
			9/23/13
			REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13
			REV
			DATE
			BY

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219			
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT VERTICAL CROSS SECTION			
DATE: 12/27/12	DRAWN BY: RJA	SCALE: N.T.S.	REV: A
DRAWING NO: PELL0025	SHEET: 10 OF 14		
 PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32702 PHONE: 321.890.1788 FAX: 321.890.1789 EMAIL: info@pella-corp.com			


Approved as complying with the
Florida Building Code
Date Oct 10, 2013
MOA# 13-0714-08
Miami Dade Product Control
By Manuel Poy

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



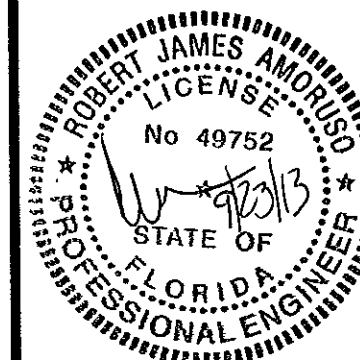


REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

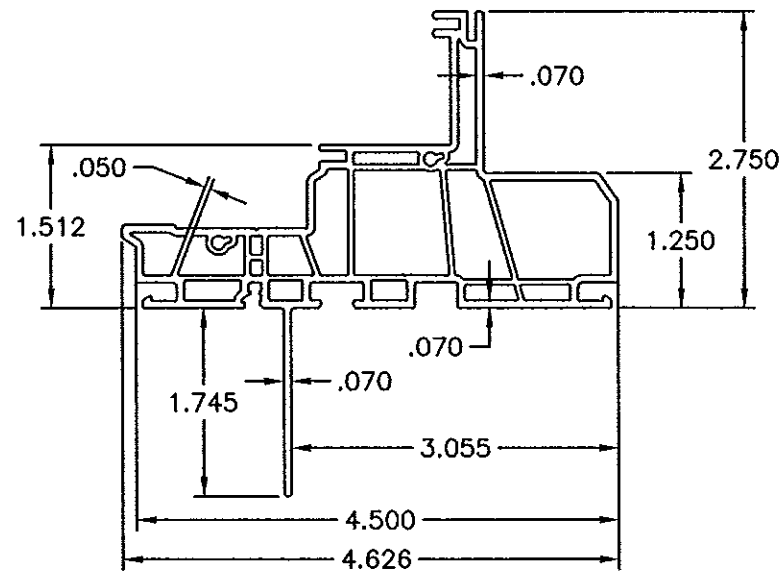
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT HORIZONTAL CROSS SECTION	PREPARED BY:		DRAWN BY: RJA	DATE: 12/27/12
			SCALE: N.T.S.	DRAWING NO: PELL0025
	PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		REV: A	SHEET: 44 OF 44
	PFC PRODUCT DESIGN GROUP, LLC PO BOX 520776 ATLANTA, GA 30376 Phone: 321.690.1798 Fax: 321.690.1799			

Approved as complying with the
Florida Building Code
Date Oct. 10, 2013
NOA# 13-0114-08
Miami Dade Product Control
By [Signature]

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

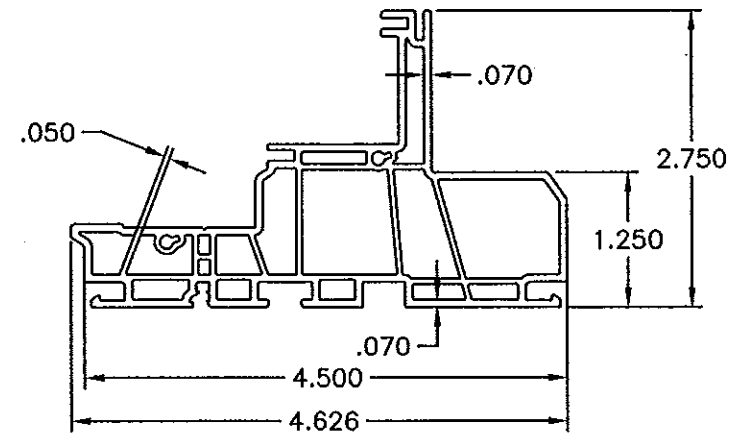


COMPONENT SECTIONS



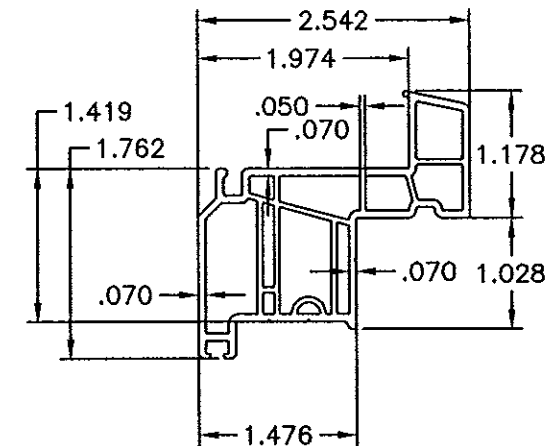
FIN FRAME/HEAD, SILL OR JAMB

① ② ③ ④



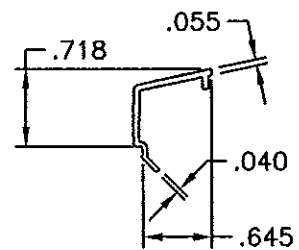
BLOCK FRAME/HEAD, SILL OR JAMB

① ② ③ ④



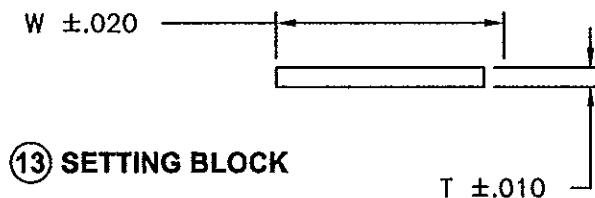
SASH TOP AND BOTTOM RAILS, STILES

⑤ ⑥ ⑦ ⑧



GLAZING BEAD

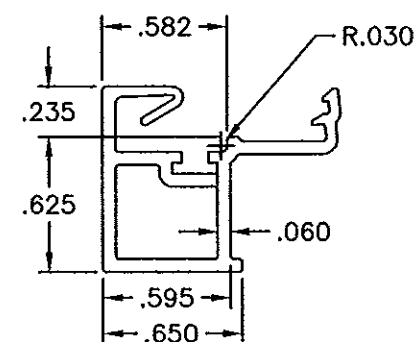
⑩ ⑪ ⑫



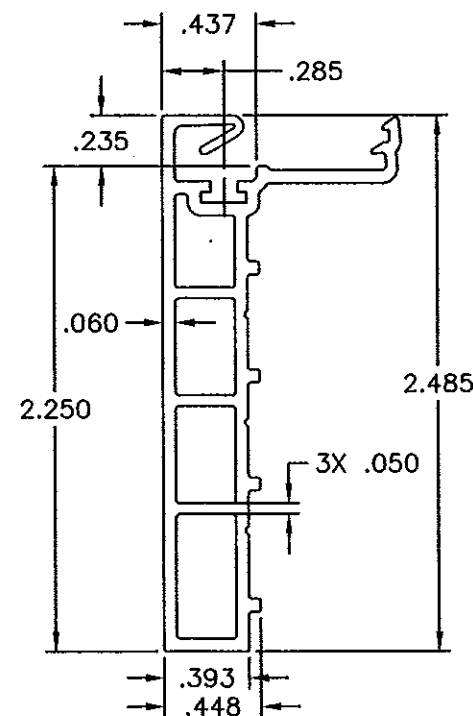
13 SETTING BLOCK

MATERIAL: PVC
HARDNESS: SHORE A 80-90,
SHORE D 75-87

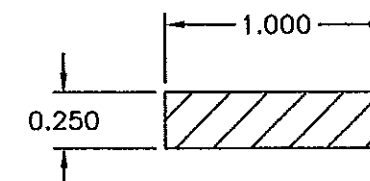
WIDTH AND THICKNESS VARY




②⑨ 5/8" FLANGE (SNAP-ON)



②⑨ FLUSH FLANGE (SNAP-ON)



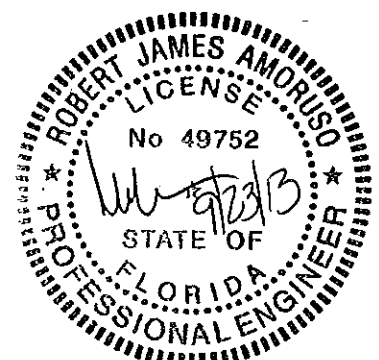
②7 SASH BOTTOM RAIL
STIFFENER BAR

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		PROJECT # 411-1201.12	
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT COMPONENT SECTIONS			
PREPARED BY:			
			
Pella Product Design Group, LLC PO BOX 320776 LONGWOOD, FLORIDA 32762 FBE C.A. NO. 25005			
Phone: 321.860.1788 Fax: 321.860.1788 Email: info@pella-corp.com			
DRAWN BY:	RJA	DATE:	12/27/12
SCALE:	N.T.S.	DRAWING NO:	PELL0025
REV:	A	SHEET:	12 OF 14
		REV:	
		DESCRIPTION	
		REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13
		DATE	BY

Approved as complying with the
Florida Building Code
Date Oct. 10, 2013
NOAH 13-0114-08
Miami Dade Product Control

By _____

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Technical drawing of the Installation Clip Details Material, showing a cross-section of a clip with various dimensions and fastener specifications.

Dimensions:

- Top edge: 0.515 ± 0.016
- Top edge: 2×0.437
- Top edge: 2×0.249
- Top edge: 0.313
- Top edge: 0.938
- Top edge: 1.563
- Left edge: 1.875
- Left edge: 1.750
- Left edge: 0.446
- Left edge: 0.090
- Bottom edge: 0.377
- Bottom edge: 0.460
- Internal dimensions (from left edge): 1.726 , 2.406 , 3.969 , 4.750 , 5.500 , 6.125

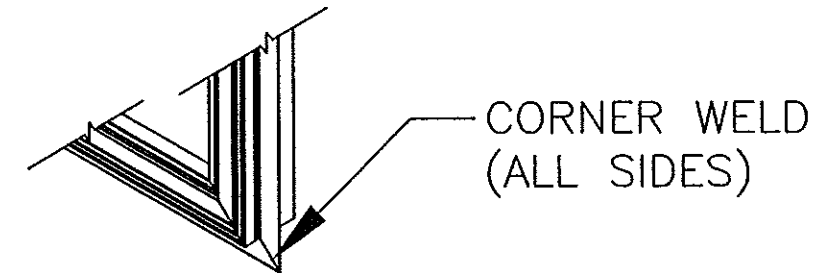
Fastener Specifications:

- $15 \times \phi 0.130$
- $6 \times \phi 0.200$

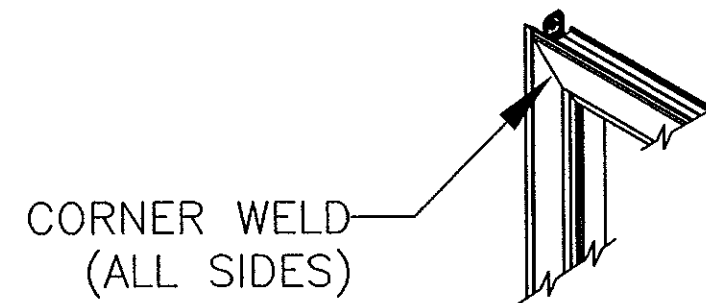
FASTENER HOLE SIZE:
 AS REQUIRED, INCREASE HOLE SIZE IN CLIP TO ALLOW INSTALLATION OF NO. 10 WOOD/TAPING SCREWS AND $3/16$ " CONCRETE SCREWS.

30 **INSTALLATION CLIP DETAILS MATERIAL**


CORNER CONSTRUCTION



FRAME CORNER CONSTRUCTION



SASH CORNER
CONSTRUCTION

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		PROJECT # 411-1201.12	
TITLE 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT INSTALLATION CLIP DETAIL & CORNER CONSTRUCTION			
PREPARED BY:		DRAWN BY: RJA	DATE: 12/27/12
		SCALE: N.T.S.	DRAWING NO: PELL0025
Pella Product Design Group, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.860.1789 Fax: 321.860.1789 Email: info@pella-corp.com FBPE CA, NO. 250335		REV: A	SHEET: 13 OF 14
		REV	DESCRIPTION
		A	REVISED PER MIAMI-DADE COMMENTS RECD 4/11/13
			9/23/13
			RJA
			DATE
			BY

Approved as complying with the
Florida Building Code
Date Oct. 10, 2013
NOAH# 13-0114-08
Miami Dade Product Control
By [Signature]

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

